



**GOVERNMENT OF MIZORAM
OFFICE OF THE DIVISIONAL FOREST OFFICER
THENZAWL FOREST DIVISION
THENZAWL : MIZORAM**

email id: thenzawlforest@gmail.com

No.G.26016/1/2014-TFD/ 463-465

Dated Thenzawl, the 29th July, 2022

To,

✓
The APCCF & Nodal Officer (FC)
Mizoram, Aizawl

Subject : *Proposal for diversion of 2,43,278 HA of forest land for construction of ByPass at Chhiahtlang and Serchhip (Package-I) on Aizawl-Tuipang section of NH-54 in the State of Mizoram*

Ref. : *No.B.22019/21/2020-FC/PCCF/192 Dt.26.7.2022.*

Sir,

With reference to the above, I am to submit herewith the required information/documents sought by your kind office vide the letter referred to above.

Sl No	Additional information required	Action taken by DFO
1	The CA scheme submitted at the cost of Rs 11, 02,100.00 is for maintenance of period of 8 years, whereas as per guidelines maintenance period is 10 years. The same may be submitted for after revision for 10 years maintenance	Revised estimate prepared and submit herewith at Annexure -I
2	As per letter dated 8.8.2022 of DCF (FC), Mizoram it has been mentioned there is violation of FC Act in the proposal. The State Government may assess the extent of violation and calculate the penalty as per FC Act 1980 guidelines Para 1.21(ii) if any of the FC Act along with full details of violation	Please see Annexure -II
3	The calculation of Net Present Value is @ 7.30/ha Hence NPV may be calculated as per Ministry's latest guidelines dated 06.01.2022	Enclosed at Annexure - III

This is for kind information and necessary action

Enclo : As above.

Yours faithfully,

(LALBIAKCHAMA CHAWNGTHU)

Divisional Forest Officer
Thenzawl Forest Division

Dated Thenzawl, the 29th July, 2022

Memo No.G.26016/1/2014-TFD/ _____

Copy to:

(1) Conservator of Forests (CC), Aizawl for mkind information.

(2) General Manager (LA&Coord), NHIDCL, Regional Office, Aizawl, 3rd Floor, T- 86
Tuikhhuahtlang for kind information.

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Divisional Forest Officer
Thenzawl Forest Division

**DETAILED COMPENSATORY AFFORESTATION SCHEME FOR DIVERSION OF
2.43278 HA. FOR CONSTRUCTION OF BY PASS AT CHHIAHTLANG & SERCHHIP
(PACKAGE-I) ON AIZAWL-TUIPANG SECTION OF NH-54**

- 1 Model of afforestation : Artificial Regeneration
- 2 Species proposed to be planted : *Mangifera indica*
Bischofia javanica
Michelia champaca
Terminalia myriocarpa
Cedrella toona
Toona Ciliata
- 3 Implementing Agency : Environment, Forests & Climate Change
Department, Mizoram
- 4 Time scheduled : Advanced work and creation of
plantation and maintenance upto 10th
year.

**ANALYSIS OF PER HA RATE FOR VARIOUS WORK ITEMS UNDER COMPENSATORY AFFORESTATION
TO BE TAKEN UP UNDER FOREST (CONSERVATION) ACT, 1980**

(Rs. 380/- per manday)

(1100 plants per ha)

S.N		Item of work	Manday required (in No.)	Labour Component (in Rs.)	Material Component (in Rs.)	Cost/Ha (in Rs.)
1	2	3	4	5	6	7
1		Advance works including nursery				
	(a)	Survey and demarcation including mapping	3	1140		1140
	(b)	Area preparation by cutting grasses & shrubs	20	7600		7600
	(c)	Fire line cutting burning and maintenance	6	2280		2280
	(d)	Clearance of site for nursery, preparation of nursery bed, filling of poly-bags, manuring shed erection	20	7600		7600
	(e)	Cost of seeds, poly-bags, implements etc	0	0	1890	1890
	(f)	Treatment and sowing of seeds	5	1900		1900
	(g)	Weeding & watering	11	4180		4180
		Sub Total :	65	24700	1890	26590
2		Creation of Plantation				
	(a)	Site preparation, alignment, preparation of stakes, digging of pits, preparation of planting material, carriage of planting material, Planting / sowing, construction of camp shed, inspection path/ signboard and other misc. works	25	9500		9500
	(b)	Weeding 3 times including vacancy filling and watch & ward	67	25460		25460
	(c)	Fire protection measures like fire line cutting, engagement of fire watchers	3	1140		1140
		Sub Total :	95	36100		36100
3		Maintenance of Plantation				
		(i) Maintenance after 1st Year				
	(a)	Weeding 3 times + vacancy filling (10+9+5)	24	9120		9120
	(b)	Fire protection measures	3	1140		1140
		Sub Total :	27	10260	0	10260


S.N		Item of work	Manday required (in No.)	Labour Component (in Rs.)	Material Component (in Rs.)	Cost/Ha (in Rs.)
1	2	3	4	5	6	7
		(ii) Maintenance after 2 years				
	(a)	Weeding 2 times (10+5)	15	5700		5700
	(b)	Fire protection measures	3	1140		1140
	(c)	Add 25% of 3(ii) column 5 total labour component for anticipated revision of wage rate				1710
		Sub Total :	18	6840	0	8550
		(iii) Maintenance after 3 years				
	(a)	Weeding 2 times (8+5)	13	4940		4940
	(b)	Fire protection measures	3	1140		1140
	(c)	Add 25% of 3(iii) column 5 total labour component for anticipated revision of wage rate				1520
		Sub Total :	16	6080	0	7600
		(iv) Maintenance after 4 years				
	(a)	Weeding 2 times (8+5)	13	4940		4940
	(b)	Fire protection measures	3	1140		1140
	(c)	Add 50% of 3(iv) column 5 total labour component for anticipated revision of wage rate				3040
		Sub Total :	16	6080	0	9120
		(v) Maintenance after 5 years				
	(a)	(a) Weeding / tending	12	4560		4560
	(b)	(b) Fire protection measures	2	760		760
	(c)	Add 50% of 3(v) column 5 total labour component for anticipated revision of wage rate				2660
		Sub Total :	14	5320	0	7980
		(vi) Maintenance after 6 years				
	(a)	Weeding / tending	12	4560		4560
	(b)	Fire protection measures	2	760		760
	(c)	Add 75% of 3(vi) column 5 total labour component for anticipated revision of wage rate				3990
		Sub Total :	14	5320	0	9310
		(vii) Maintenance after 7 years				
	(a)	Weeding / tending	10	3800		3800
	(b)	Fire protection measures	2	760		760
	(c)	Add 75% of 3(vii) column 5 total labour component for anticipated revision of wage rate				3420
		Sub Total :	12	4560	0	7980
		(viii) Maintenance after 8 years				
	(a)	(a) Weeding / tending	10	3800		3800
	(b)	(b) Fire protection measures	2	760		760

S.N		Item of work	Manday required (in No.)	Labour Component (in Rs.)	Material Component (in Rs.)	Cost/Ha (in Rs.)
1	2	3	4	5	6	7
	(c)	Add 100% of 3(viii) column 5 total labour component for anticipated revision of wage rate				4560
		Sub Total :	12	4560	0	9120
		(ix) Maintenance after 9 years				
	(a)	Weeding / tending	8	3040		3040
	(b)	Fire protection measures	2	760		760
	(c)	Add 100% of 3(ix) column 5 total labour component for anticipated revision of wage rate				3800
		Sub Total :	10	3800	0	7600
		(x) Maintenance after 10 years				
	(a)	(a) Weeding / tending	8	3040		3040
	(b)	(b) Fire protection measures	2	760		760
	(c)	Add 100% of 3(x) column 5 total labour component for anticipated revision of wage rate				3800
		Sub Total :	10	3800	0	7600
		Total of Plantation Cost	309	117420	1890	147810
4		Soil & Moisture Conservation measures including construction of check dams, gully plugging, contour trenching water harvesting structures etc. whatever necessary within the project area (15% of plantation cost)				22171
5		Fencing (5% of plantation cost)				7390
6		Monitoring & Evaluation (2% of plantation cost)				2956
7		Overheads (10% of plantation cost)				14781
		GRAND TOTAL				195108

Cost of CA for Construction of By Pass at Chhiahtlang & Serchhip (Package-I) on Aizawl to Tuipang Section of NH-54

(2.43278 x Rs 195108) = Rs 4,74,654.84 /- or say Rs. 4,74,655/-

(Rupees four lakhs seventy four thousand six hundred and fifty five) only


(LALBIAKCHAMA CHAWNGTHU)
 Divisional Forest Officer
 Thenzawl Forest Division

EXTENT OF VIOLATION AT BY PASS AT CHHIAHTLANG & SECHHIP (PACKAGE -I) ON
AIZAWL-TUIPANG SECTION OF NH-54 AND CALCULATION OF PENALTY

EXTENT OF VIOLATION

As per office record of DFO Office, Thenzawl Forest Division, there has been violation of Forest Conservation Act 1980 while constructing By Pass at Chhiahtlang and Serchhip (Package -I) on Aizawl - Tuipang section of NH-54. Till date, the User Agency (NHIDCL) has not obtained Stage -I approval (IPA) for this package. However it was found that the excavation- earth cutting and dumping of spoil had started in 2020.

Further, it was also found that the User Agency has not complied with the Muck Disposal Plan for this Package submitted to Govt of India. The irregular muck disposal along By Pass had caused huge environmental damages such as loss of perennial streams, destruction of vegetation and siltation of rivers in the downhill areas etc.

The Inspection Report of Range Officer concerned shows that the total damage area of land (land covered by disposed muck) due to irregular muck disposal along By Pass Road is 9.50 Ha (4.00 Ha along Chhiahtlang By Pass and 5.50 Ha along Serchhip By Pass)

CALCULATION OF PENALTY

The forest area diverted for construction of By Pass at Chhiahtlang & Serchhip (Package-I) on Aizawl-Tuipang section of NH-54 is 2.43278Ha


Eco Class: I; Canopy Density: 0.5% and therefore NPV Rate / Ha = Rs 14, 36,670.00

Now, Total NPV to be paid by User Agency
Rs 14, 36,670.00 x 2.43278 = Rs 34, 95,102.00

And Road Project being public utility project, Monetary Penalty after 2 years as per FC Act 1980 guidelines Para 1.21(ii)

Rs 34, 95,102.00 x 2 x 20% = Rs 13, 98,040.80 Say Rs 13, 98,040.00

Therefore, the monetary penalty to be paid by UA is Rs 13, 98,040.00 (Rupees thirteen lakh ninety eight thousand and forty plus 12% simple interest till the deposit is made.


(LALBIAKCHAMA CHAWNGTHU)
Divisional Forest Officer
Thenzawl Forest Division

**NPV FOR DIVERSION OF 2.43278 HA OF FOREST LAND FOR CONSTRUCTION OF
BYPASS AT CHHIAHTLANG & SERCHHIP (PACKAGE-I) ON AIZAWL-TUIPANG SECTION
OF NH-54 IN THE STAE OF MIZORAM**

Name of project: CONSTRUCTION OF BYPASS AT CHHIAHTLANG & SERCHHIP (PACKAGE-I) ON
AIZAWL-TUIPANG SECTION OF NH-54 IN THE STAE OF MIZORAM

Name of User Agency : NHIDCL
State : Mizoram
District : Serchhip
Division : Thenzawl Forest Division

Area of Forest land
proposed to be diverted : 2.43278 Ha

Eco-Class : Class I


Forest Cover : Dense Forest

NPV Rate : Rs.14, 36,670/-per Ha

Total NPV : **Rs. 34, 95,102.0426**

Say Rs. 34, 95,102.00

(Rupees thirty four lakhs ninety five thousand one hundred and two) only.


(LALBIAKCHAMA CHAWNGTHU)
Divisional Forest Officer
Thenzawl Forest Division
Thenzawl : Mizoram